

WHAT IS CLAIMED IS:

1. A system for providing network communications isolation in a branch line connecting a subscriber device at a subscriber premises to a network, the system comprising:

an electric power distribution transformer;
a branch line connected between the transformer and the subscriber's premises;
a low pass filter connected in the branch line at a location adjacent the transformer;
a power line communications router connected to the network and coupled to the branch line at a location adjacent the filter, on the subscriber side of the filter;
wherein, when the subscriber device is coupled to the branch line, the subscriber device is coupled to the network and is isolated from the transformer by the filter.

2. A network coupler to provide network communications isolation in a branch line connected to a subscriber premises through an electric power meter, the network coupler comprising:

a low pass filter coupled to the branch line adjacent to the power meter; and
power line communications repeater connected to the branch line across the low pass filter.

3. The network coupler of claim 2, wherein the low pass filter is disposed on the subscriber side of the power meter.

4. The network coupler of claim 3, wherein the power line communications repeater is connected across both the low pass filter and the power meter.

5. The network coupler of claim 2, wherein the low pass filter is disposed on the transformer side of the power meter.

6. The network coupler of claim 5, wherein the power line communications repeater is connected across both the low pass filter and the power meter.

7. A network coupler to provide network communications isolation in a branch line connected to a subscriber premises through an electric power meter, the network coupler comprising:

a low pass filter coupled to the branch line adjacent to the power meter; and
power line communications repeater connected to the branch line across both the low pass filter and the power meter.

8. A network isolator to provide network communications isolation in a branch line connected to a subscriber premises through an electric power meter, the isolation being provided between a network located at the subscriber premises a transformer connected to the branch line, the network isolator comprising:

a low pass filter coupled to the branch line adjacent to the power meter, wherein the low pass filter is disposed on the subscriber side of the power meter.

9. A network isolator to provide network communications isolation in a branch line connected to a subscriber premises through an electric power meter, the isolation being provided between a network located at the subscriber premises a transformer connected to the branch line, the network isolator comprising:

a low pass filter coupled to the branch line adjacent to the power meter, wherein the low pass filter is disposed on the transformer side of the power meter.